WHAT IS CLAIMED IS:

1. A method for decomposing a pollutant comprising:

a supplying step for supplying a chlorine-generating solution to a container with a supply means;

a chlorine-generating step for generating chlorine from the chlorine-generating solution contained in the container;

an irradiation step for irradiating the pollutant mixed with the chlorine; and

a flowing step for flowing, from the container to the supply means, the chlorine-generating solution from which the chlorine is being generated or from which the chlorine has already been generated,

wherein the supplying step adjusts the chlorine-generating solution returned from the container and supplies the adjusted chlorine-generating solution to the container.

2. The method according to claim 1, wherein the chlorine-generating step generates chlorine by introducing a gas to the chlorine-generating solution.

3. The method according to claim 1, further comprising a neutralizing step for neutralizing the chlorine-generating solution returned from the container.

4. The method according to claim 1, wherein the chlorine-generating solution is an electrolyzed solution and is supplied to the container in the supplying step.

5. The method according to claim 1, wherein the chlorine-generating solution contains an inorganic acid and/or an organic acid.

6. The method according to claim 1, wherein a wavelength of the light for irradiation is from 350 nm to 450 nm.

7. The method according to claim 1, further comprising an absorbing step for absorbing an air containing the pollutant from soil.

8. The method according to claim 1, further comprising an obtaining step for obtaining a gaseous pollutant from underground water.

9. The method according to claim 1, wherein the pollutant is an organochlorine compound.

10. The method according to claim 1, wherein the chlorine-generating solution returned from the container is neutralized with alkaline water.

11. The method according to claim 1, wherein the chlorine-generating solution is a hypochlorous acid aqueous solution and/or a hypochlorite aqueous solution.

12. The method according to claim 1, wherein the irradiation step irradiates a gaseous pollutant mixed with the chlorine.